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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

### Complete if Known

Application Number	10/696,464
Filing Date	October 29, 2003
First Named Inventor	Mathai MAMMEN
Art Unit	1614
Examiner Name	Not yet assigned
Attorney Docket Number	P-142-US1

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
DP	A1	US- 3,192,206	06-29-1965	Lunsford et al.	
	A2	US- 3,192,210	06-29-1965	Lunsford et al.	
	A3	US- 3,192,221	06-29-1965	Lunsford et al.	
	A4	US- 3,984,557	10-05-1976	Welstead, Jr.	
	A5	US- 4,002,766	01-11-1977	Welstead, Jr.	
	A6	US- 4,594,343	06-10-1986	Shanklin, Jr. et al.	
	A7	US- 4,810,713	03-07-1989	Yanni et al.	
	A8	US- 4,950,674	08-21-1990	Yanni et al.	
	A9	US- 5,026,858	06-25-1991	Vega-Noverola et al.	
	A10	US- 5,028,616	07-02-1991	Desai et al.	
	A11	US- 5,070,087	12-03-1991	Teng et al.	
	A12	US- 5,096,890	03-17-1992	Cross et al.	
	A13	US- 5,233,053	08-03-1993	Cross et al.	
	A14	US- 5,281,601	01-25-1994	Cross et al.	
	A15	US- 5,340,831	08-23-1994	Cross et al.	
	A16	US- 5,344,835	09-06-1994	Alker et al.	
	A17	US- 5,486,527	01-23-1996	Alker et al.	
	A18	US- 5,607,950	03-04-1997	Alker et al.	
	A19	US- 5,750,540	05-12-1998	Tsuchiya et al.	
	A20	US- 5,932,594	08-03-1999	Cross et al.	
	A21	US- 6,130,232	10-10-2000	Mase et al.	
	A22	US- 6,319,920 B1	11-20-2001	Caroon et al.	
	A23	US- 2003/0055080 A1	03-20-2003	Fomer et al.	

### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
DP	B1	WO 91/09013 A1	06-27-1991	Pfizer Limited		
	B2	WO 99/43657 A1	09-02-1999	F. Hoffmann-La Roche AG		
	B3	WO 01/04118 A2	01-18-2001	Almirall Prodesfarma S. A.		
	B4	WO 02/051841 A1	07-04-2002	Almirall Prodesfarma, S. A.		
	B5	WO 02/053564 A2	07-11-2002	Almirall Prodesfarma AG		
	B6	WO 03/048124 A1	06-12-2003	F. Hoffmann-La Roche AG		
	B7	CH 628 885 A5 (in French language)	03-31-1982	Anphar S. A.		

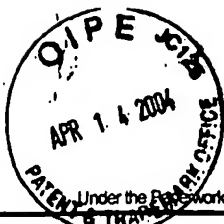
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*Darrah Parinera*

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

### Complete if Known

Application Number	10/696,464
Filing Date	October 29, 2003
First Named Inventor	Mathai MAMMEN
Art Unit	1614
Examiner Name	Not yet assigned
Attorney Docket Number	P-142-US1

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
AP	B8	EP 0 178 946 A2	04-23-1986	A. H. Robins Company, Inc.		
	B9	EP 0 178 947 A2	04-23-1986	A. H. Robins Company, Inc.		
	B10	EP 0 235 463 A2	09-09-1987	A. H. Robins Company, Inc.		
	B11	EP 0 388 054 B1	09-19-1990	Pfizer Limited		
	B12	EP 0 863 141 A1	09-09-1998	Banyu Pharmaceutical Co., Ltd.		
	B13	EP 0 930 298 A1	07-21-1999	Banyu Pharmaceutical Co., Ltd.		
	B14	EP 0 999 205 A1	05-10-2000	Mitsubishi-Tokyo Pharmaceuticals, Inc.		
	B15	EP 1 020 449 A1	07-19-2000	Mitsubishi-Tokyo Pharmaceuticals, Inc.		
	B16	GB 1 507 462	04-12-1978	Antonio Gallardo, S. A.		
	B17	GB 1 575 310	09-17-1980	Anphan S. A.		
	B18	GB 1 593 851	07-22-1981	Antonio Gallardo S. A.		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AP	C1	BROADLEY et al., "Muscarinic Receptor Agonists and Antagonists", Molecules 2001, 6, pp 142-193 (2001)	
	C2	EGLIN et al., "Muscarinic Receptor Subtypes: Pharmacology and Therapeutic Potential", DN&P, 10(8), pp 462-489 (1997)	
	C3	EGLIN et al., "Selective modulation of muscarinic receptor subtypes: therapeutic potential", Emerging Drugs: The Prospect for Improved Medicines/Annual Executive Briefing 1998; pp 67-79 (1998)	
	C4	GRAUL et al., "Darifenacin", Drugs of the Future 1998, 21 (11); pp 1105-1108 (1998)	
	C5	MORAGUES et al., "Dopaminergic Activity in a Series of N-Substituted 2-Aminopyrimidines", II Farmaco -Ed. Sc. -Vol. 35 - Fasc. 11; pp 951-964 (1980)	
	C6	SHUM et al., "The Design and Synthesis of Purine Inhibitors of CDK2.III", Nucleosides, Nucleotides & Nucleic Acids, 20(4-7), pp 1067-1078 (2001)	
	C7	ZLOTOS et al., "Muscarinic receptor agonists and antagonists", Exp. Opin. on Ther. Patents, 8(8), pp1029-1053 (1999)	

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*Sarah Pennington*

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Sheet 1 of 1

**Complete if Known**

Application Number	10/696,464
Filing Date	October 29, 2003
First Named Inventor	Mammen et al.
Art Unit	1625
Examiner Name	Celia C. Chang
Attorney Docket Number	P-142-US1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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SP	A25	US 6,635,764 B2	10-21-2003	Mammen et al.	
	A26	US 6,693,202 B1	02-17-2004	Aggen et al.	
	A27	US 2004/0029919 A1	02-12-2004	Mammen et al.	
	A28	US 2004/0054187 A1	03-18-2004	Mammen et al.	
	A29	US 2004/0110229 A1	06-10-2004	Aggen et al.	
	A30	US 2004/0116706 A1	06-17-2004	Mammen et al.	
	A31	US 2005/0026954 A1	02-03-2005	Mammen et al.	

**FOREIGN PATENT DOCUMENTS**

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SP	B19	WO 99/64043 A1	12-16-1999	Advanced Medicine, Inc.		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

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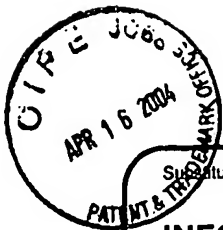
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DP	A1	US-2002/0049195 A1	04-25-2002	Mammen et al.	

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Sarah F. [Signature]

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